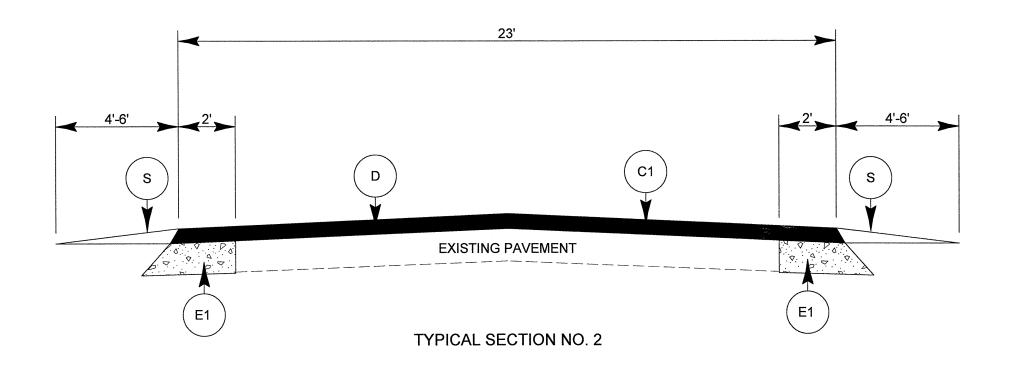
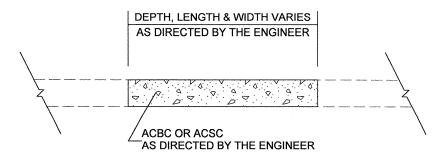


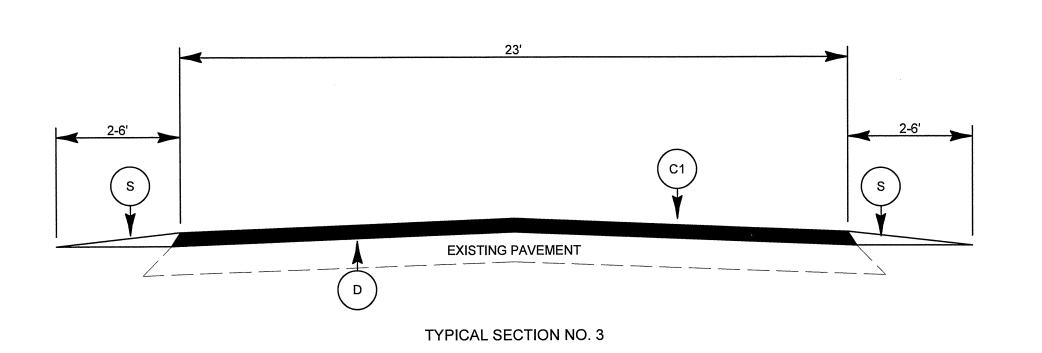
TYPICAL SECTION NO. 1

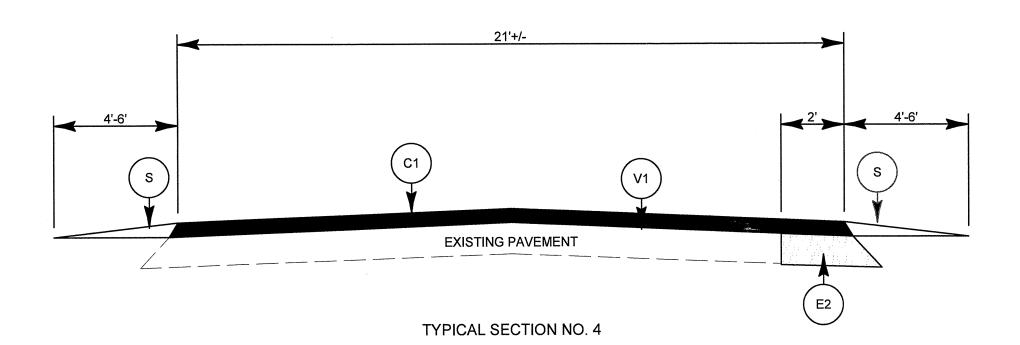


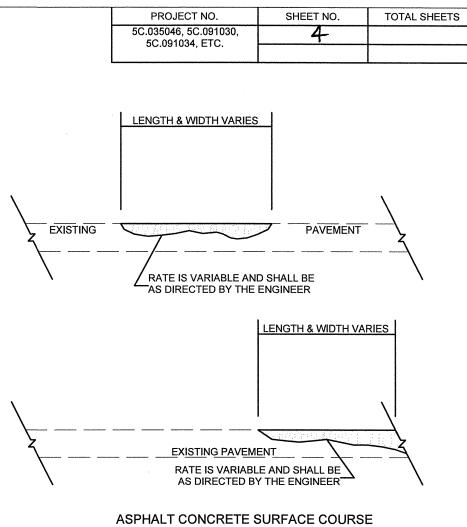
| PROJECT NO. | SHEET NO. | TOTAL SHEETS |
|--|-----------|--------------|
| 5C.035046, 5C.091030, 5C.091034, ETC. | 3 | |
| 30.091034, £10. | | |



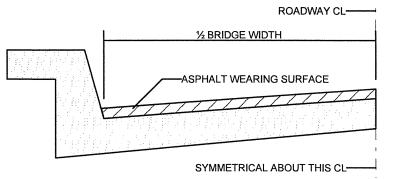
| PAVEMENT SCHEDULE PROP. APPROX. 1.5" OF ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A ATA N AVERAGE RATE OF 165 LBS. PER SQ. YD. PROP. APPROX. 1.5" OF ASPHALT SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. PROP. ASPHALT CONCRETE LEVELING COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER INCH OF DEPTH AS DIRECTED BY THE ENGINEER PROP. APPRX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS PER SQ. YD. PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD. PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" V2 MILL 4" | | —PATCHING EXISTING PAVEMENT— |
|---|----|---------------------------------------|
| CONCRETE SURFACE COURSE, TYPE SF9.5A ATA N AVERAGE RATE OF 165 LBS. PER SQ. YD. PROP. APPROX. 1.5" OF ASPHALT SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. PROP. ASPHALT CONCRETE LEVELING COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ.YD. PER INCH OF DEPTH AS DIRECTED BY THE ENGINEER PROP. APPRX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS PER SQ. YD. PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD. PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | | |
| CONCRETE SURFACE COURSE, TYPE SF9.5A ATA N AVERAGE RATE OF 165 LBS. PER SQ. YD. PROP. APPROX. 1.5" OF ASPHALT SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. PROP. ASPHALT CONCRETE LEVELING COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ.YD. PER INCH OF DEPTH AS DIRECTED BY THE ENGINEER PROP. APPRX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS PER SQ. YD. PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD. PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | | PROP APPROX 15" OF ASPHALT |
| C2 ROPE SQ. YD. PROP. APPROX. 1.5" OF ASPHALT SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. PROP. ASPHALT CONCRETE LEVELING COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER INCH OF DEPTH AS DIRECTED BY THE ENGINEER PROP. APPRX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS PER SQ. YD. PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD. PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | C1 | |
| PROP. APPROX. 1.5" OF ASPHALT SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. PROP. ASPHALT CONCRETE LEVELING COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ.YD. PER INCH OF DEPTH AS DIRECTED BY THE ENGINEER PROP. APPRX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS PER SQ. YD. PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD. PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | Ci | |
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| AVERAGE RATE OF 168 LBS. PER SQ. YD. PROP. ASPHALT CONCRETE LEVELING COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ.YD. PER INCH OF DEPTH AS DIRECTED BY THE ENGINEER PROP. APPRX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS PER SQ. YD. PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD. PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | - | |
| C3 PROP. ASPHALT CONCRETE LEVELING COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ.YD. PER INCH OF DEPTH AS DIRECTED BY THE ENGINEER PROP. APPRX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS PER SQ. YD. PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD. PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | C2 | AVERAGE RATE OF 168 LBS. PER SQ. |
| COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ.YD. PER INCH OF DEPTH AS DIRECTED BY THE ENGINEER PROP. APPRX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS PER SQ. YD. PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD. PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | | |
| C3 AVERAGE RATE OF 110 LBS. PER SQ.YD. PER INCH OF DEPTH AS DIRECTED BY THE ENGINEER PROP. APPRX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS PER SQ. YD. PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD. PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | | |
| SQ.YD. PER INCH OF DEPTH AS DIRECTED BY THE ENGINEER PROP. APPRX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS PER SQ. YD. PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD. PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | СЗ | |
| PROP. APPRX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS PER SQ. YD. PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD. PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | | SQ.YD. PER INCH OF DEPTH AS |
| D CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS PER SQ. YD. PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD. PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | | |
| TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS PER SQ. YD. PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD. PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | | |
| E1 E1 E1 E1 E1 E2 E2 E2 E2 E3 E4 E4 E5 E5 E5 E5 E5 E5 E5 E6 E6 E6 | D | |
| E1 CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD. PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | | |
| E1 B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD. PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | | |
| LBS. PER SQ. YD. PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | E1 | |
| PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE WIDENING, TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | | · · · · · · · · · · · · · · · · · · · |
| TYPE B25.0B, AT AN AVERAGE RATE OF 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | | |
| S S S MILL 1.5" 399 LBS PER SQ. YD IN EACH OF TWO LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | | |
| S LAYERS TO PROVIDE 2' WIDENING AS DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | E2 | |
| S DIRECTED BY THE ENGINEER SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | | |
| SHOULDER RECONSTRUCTION/SEEDING AND MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | | |
| MULCHING/BORROW AS DIRECTED BY THE ENGINEER V1 MILL 1.5" | | SHOULDER |
| THE ENGINEER V1 MILL 1.5" | s | |
| V1 MILL 1.5" | | o = o : : o : : o = : = o : = = = o : |
| | | |
| V2 MILL 4" | V1 | MILL 1.5" |
| l I | V2 | MILL 4" |











BRIDGE HALF TYPICAL SECTION

FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. THE MINIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: \$4.75A ½", \$F9.5A 1.0", \$9.5X 1.5", \$12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE A ½", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE DO PAVEMENT TYPE AS FOLLOWS: \$4.75A 1.0", \$F9.5A 1.5", \$9.5X 2.0", \$12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE A ½", ULTRATHIN HOT MIX ASPHALT-TYPE A ½", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX

NOTES

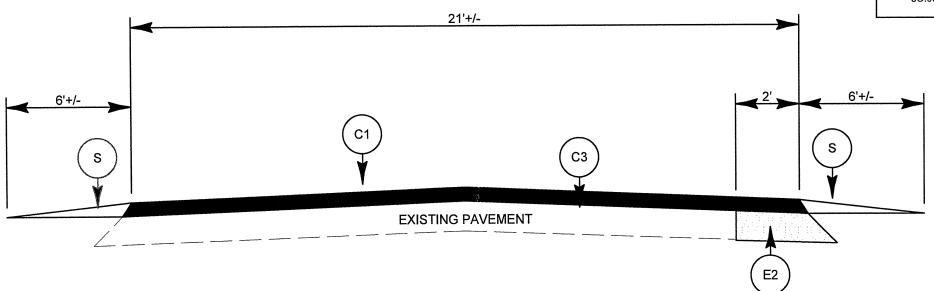
ALL UNPAVED ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.
ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.

EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF

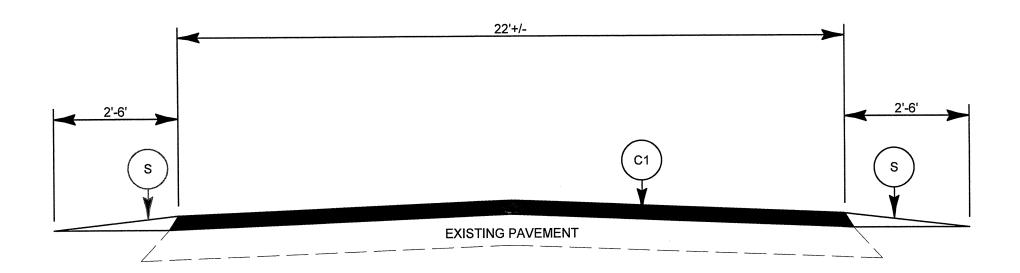
SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS UNLESS OTHERWISE INDICATED. BRIDGES ARE TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

PROJECT NO. SHEET NO. TOTAL SHEETS

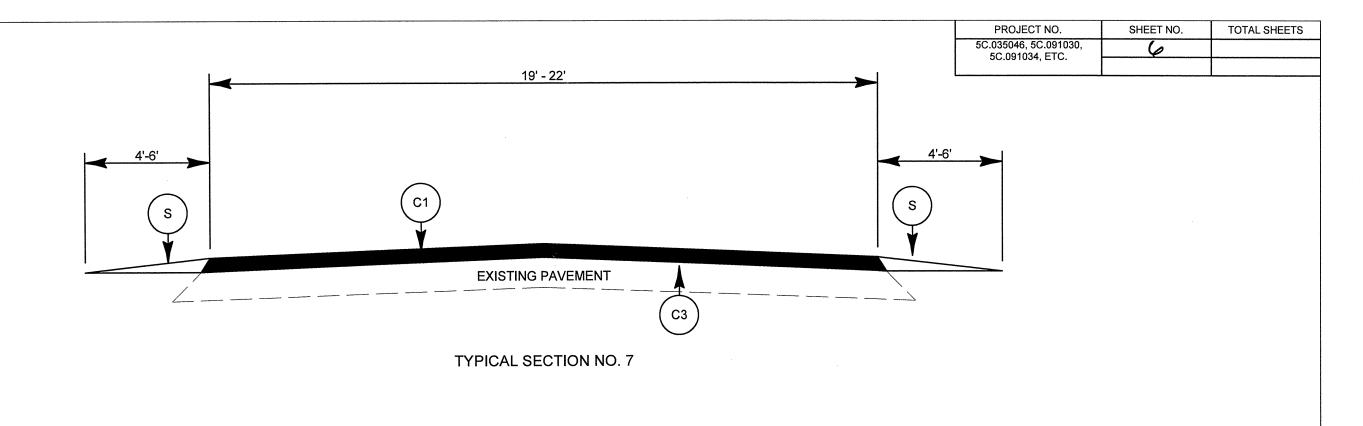
5C.035046, 5C.091030, 5C.091034, ETC. 5

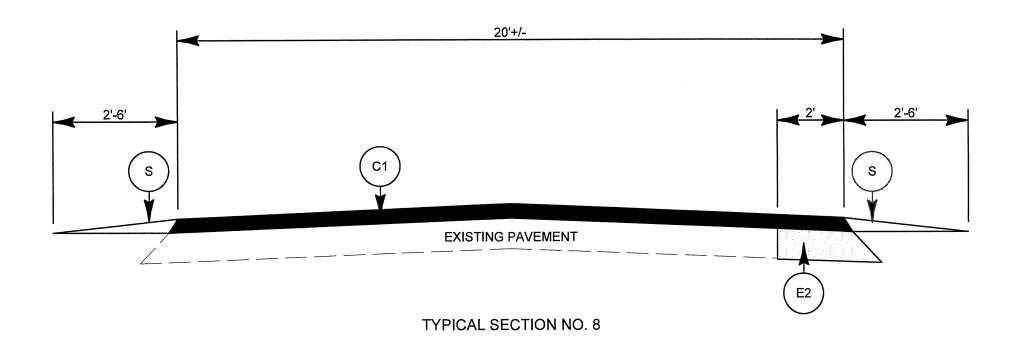


TYPICAL SECTION NO. 5

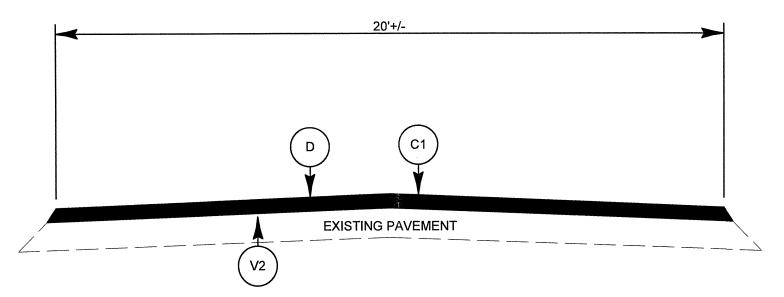


TYPICAL SECTION NO. 6

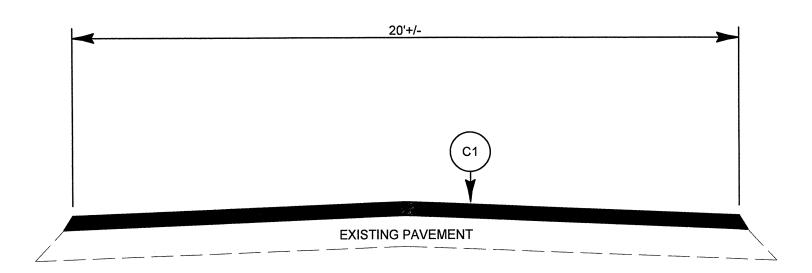




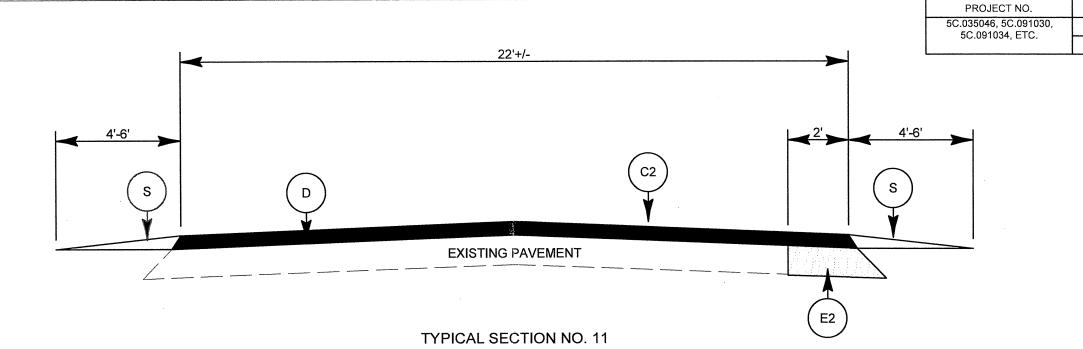
| PROJECT NO. | SHEET NO. | TOTAL SHEETS |
|--|-----------|--------------|
| 5C.035046, 5C.091030, 5C.091034, ETC. | 7 | |



TYPICAL SECTION NO. 9



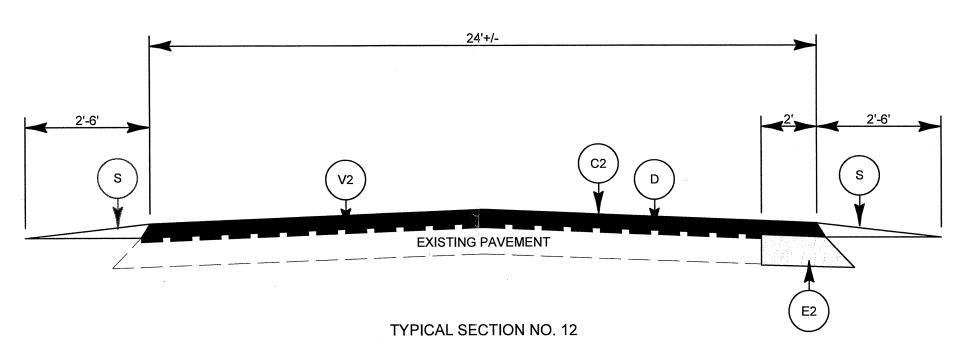
TYPICAL SECTION NO. 10



SHEET NO.

8

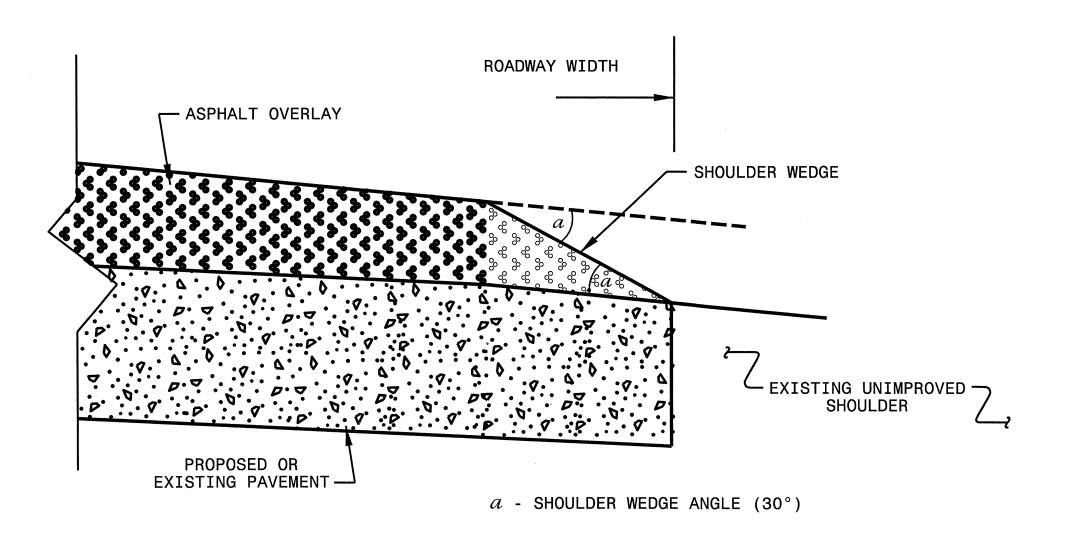
TOTAL SHEETS



1 1/2" MILLING TO BE USED AT BRIDGE LOCATIONS
AS DIRECTED BY THE ENGINEER

PROJECT REFERENCE NO. SHEET NO. 5C.035046 MINIMUM TIE IN EXTEND LIMITS TO ON CITY STREETS AND COMMERCIAL DRIVES BACK OF SIGNAL LOOPS ON AS DIRECTED BY THE ENGINEER STATE MAINTAINED ROADS AS DIRECTED BY THE ENGINEER EXTEND LIMITS TO MINIMUM TIE IN BACK OF RADIUS ON ON CITY STREETS AND STATE MAINTAINED ROADS COMMERCIAL DRIVES ___ AS DIRECTED BY THE ENGINEER DETAIL OF PROJECT LIMITS AT DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES UNSIGNALIZED Y LINES

PROJECT REFERENCE NO. SHEET NO.

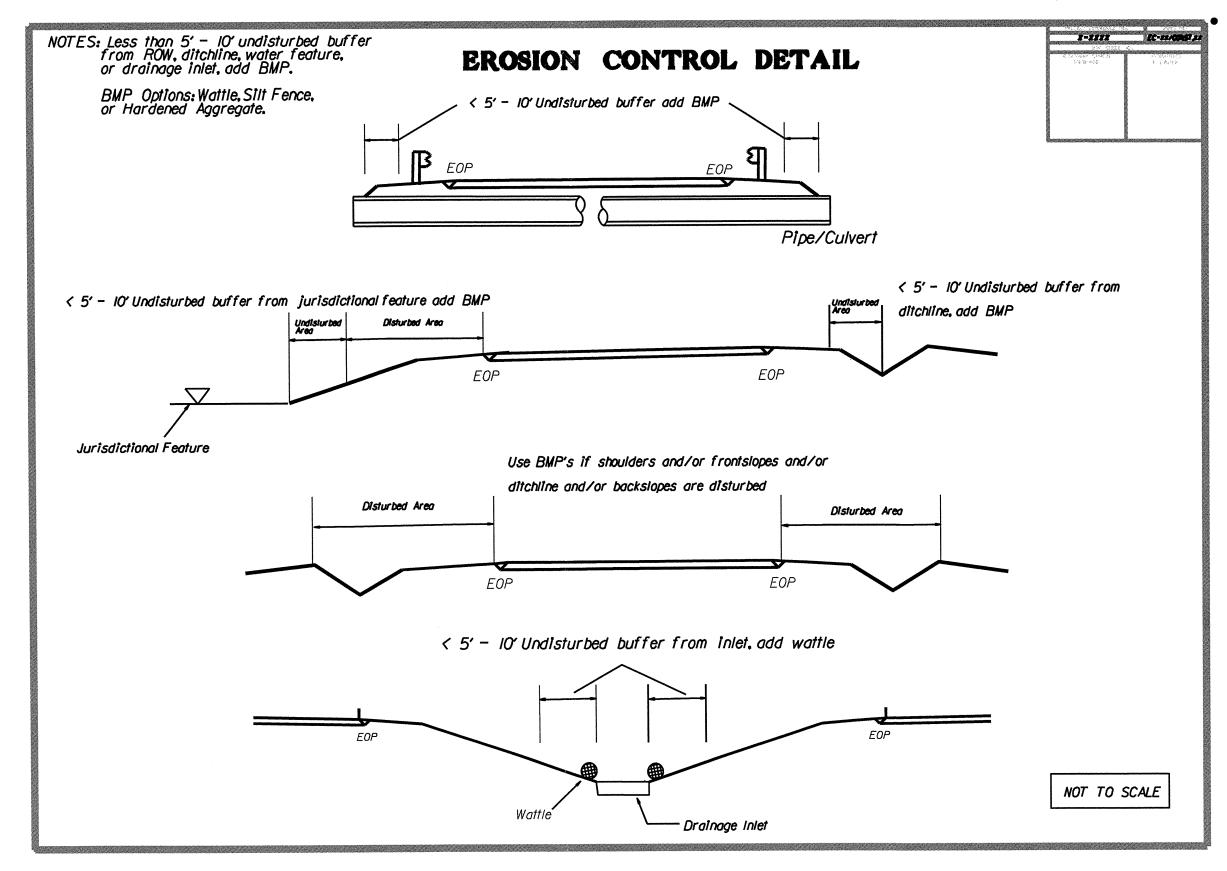


SHOULDER WEDGE DETAIL

USE ON MAP 11 (SR 1003 - SIMS BRIDGE ROAD) WITH TYPICAL SECTION 3

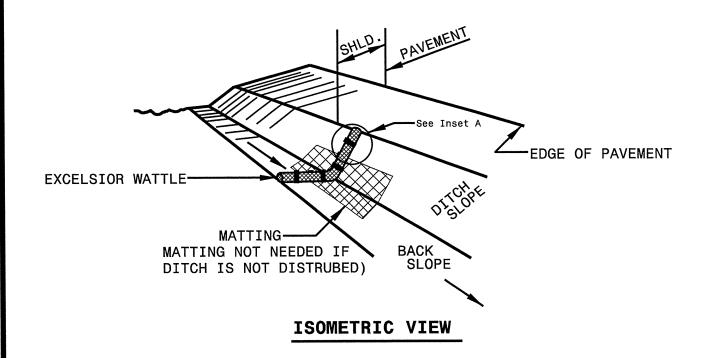
SHOULDER WEDGE DETAIL

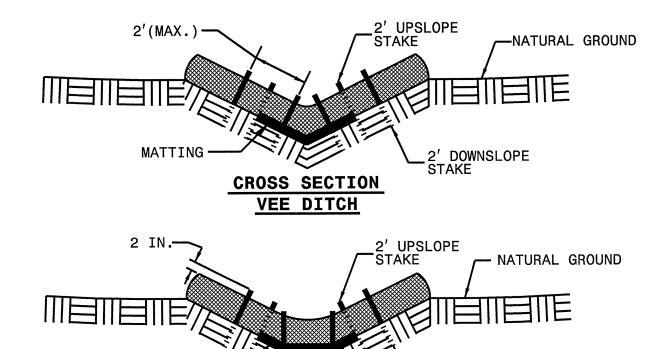
ORIGINAL BY: DATE: MODIFIED BY: DATE: CHECKED BY: DATE: FILE SPEC.:



DJECT REFERENCE NO. SHEET NO.

WATTLE DETAIL





CROSS SECTION
TRAPEZOIDAL DITCH

2' DOWNSLOPE STAKE

MATTING .

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

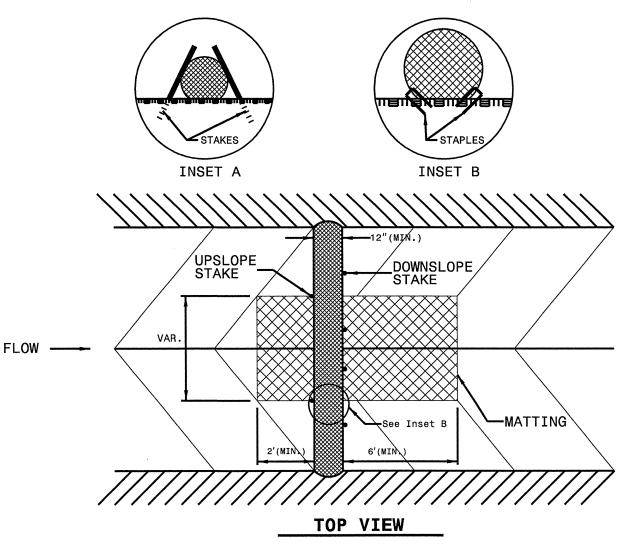
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

IF DITCH WILL BE DISTURBED, INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



| PROJECT NO. | SHEET NO. | TOTAL NO. |
|----------------------|-----------|-----------|
| 5C.035046, 5C.091030 | 13 | |
| 5C.091034, ETC. | | |

SUMMARY OF QUANTITIES

| PROJECT | COUNTY | MAP | ROUTE | DESCRIPTION | TYP NO | FINAL SURFACE TESTING REQUIRED | SAFETY WEDGE | LENGTH | WIDTH | BORROW | INCIDENTAL STONE BASE | SHOULDER | 4" MILLING | 1½" MILLING | INCIDENTAL MILLING | BASE COURSE, B25.0B | INTER- MEDIATE COURSE, I19.0B | SURFACE COURSE, S9.5B | SURFACE COURSE, SF9.5A | LEVELING COURSE, TYPE SF9.5A | ASPHALT BINDER FOR PLANT MIX | EXISTING | TEMPORARY SILT FENCE | WATTLE | SEED & MULCHING | INDUCTIVE LOOP | LEAD-IN CABLE (14-2) |
|--------------|---------------------------------------|-----------|---|--|--|---|-----------------|--------------|----------|-------------------|--------------------------|----------|---------------------------------------|--------------|-----------------------|---------------------------|--|-----------------------------|------------------------------|------------------------------------|------------------------------------|--------------|-------------------------|------------|--------------------|-------------------|-------------------------|
| NO | | NO | | | | | | MI | FT | CY | TONS | SMI | SY | SY | SY | TONS | TONS | TONS | TON | TONS | TON | TONS | LF | LF | AC | LF | LF |
| | | | | FROM SR 1243 (WALTER GRISSOM | | | | | | | | | | | | | | | | | | | | | ! | ĺ | |
| 5C.035046 | Franklin | 1 | SR 1003 (SIMS BRIDGE ROAD) | RD.) TO SR 1239 (ROCKY FORD ROAD) | 2 | NO | NO | 4.7 | 23 | į | | | | l | | 4,350 | 9,119 | | | | 629 | 200 | 1,200 | 300 | , | 1 | |
| | | | TOTAL FOR PROJ NO. 5C.035046 | | | | | 4.7 | | | | | | | | 4,350 | 9,119 | | | | 629 | 200 | 1,200 | 300 | | ĺ | 1 |
| | · | , | | | , | · • | P | | · | · | , | | · | | | | | · | | , | | | | | | | |
| | | | | FROM SR 1107 (BRIGGS RD.) TO SR | | | | | | | | | | | | | | | | | | | | | 1 | i | |
| 5C.091030 | Vance | 2 | SR 1101 (COUNTY HOME ROAD) | 1115 (N. LYNNBANK RD) | 3 | NO | NO | 1.25 1.25 | 23 | 975 975 | 15 | 2.50 | | | | | 2,425 2,425 | ļ | 1,441 | | 213 | | | 50 | 1.25 | | |
| <u></u> | | | TOTAL FOR PROJ NO. 5C.091030 | L.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | l | 1 | L | 1.25 | J | 9/5 | 15 | 2.50 | | 1 | L | L | 2,425 | l | 1,441 | l | 213 | l | L | 50 | 1.25 | | |
| | П | | | | T | T | | T | T | T | T | T | T |] | T | T | | T | | | T | T T | | <u> </u> | T | | T |
| 5C.091034 | Vance | 3 | SR 1550 (ROCKY FORD) | FROM SR 1549 TO FRANKLIN CO. LINE | 2 | NO | NO | 0.5 | 23 | 391 | 6 | 1.00 | | | | 450 | 970 | ļ | 576 | | 105 | 100 | | 50 | 0.73 | 1 | |
| | | | TOTAL FOR PROJ NO. 5C.091034 | | | | | 0.5 | | 391 | 6 | 1.00 | | | | 450 | 970 | | 576 | | 105 | 100 | | 50 | 0.73 | | |
| | · · · · · · · · · · · · · · · · · · · | | | | , | | , | · | , | | · | | · · · · · · · · · · · · · · · · · · · | · | | , | | · | | · | | | , | | | | |
| | l l | | | FROM NC 98 TO SR 1609 BAPTIST | ١. | | | | | | | | | l | | 700 | | | | | | | | | 1 | 1 | |
| 5CR.20351.1 | Franklin | 4 | SR 1611 (SLEDGE ROAD) | CHURCH ROAD | 5 | NO | NO | 3 | 21 | 700 | 36 | 6.00 | - | | _ | 700 | | } | 3,159 | 947 | 306 | 100 | 400 | 200 | 4.35 | | |
| 5CR.20351.1 | Franklin | | SR 1106 (MOORES POND ROAD) DELETE BRIDGE PROJECT AREA | FROM SR 1100 (TARBORO RD.) TO NC | 7 | NO | NO | 2.3 | 22 | 200 | 55 | 4.60 | | | 1 | | | | 2,537 | 761 | 221 | 100 | 200 | 200 | 2.25 | 1 | ł |
| 3CK.20331.1. | TIGINA | | SK 1100 (MOOKES FORD ROAD) BEEFE BRIDGE FROSECT AREA | FROM NC 56 TO SR 1421 (HICKORY | | "" | i iii | 1 -2.3 | - 22 | 200 | | 7.00 | | | | | | | 2,557 | 701 | 221 | 100 | 200 | 200 | 2.23 | | |
| 5CR.20351.1 | Franklin | 6 | SR 1422 (STRANGE ROAD) | ROCK RD.) | 7 | NO | NO | 1.5 | 19 | 230 | . 18 | 3.00 | | | | | | | 1,430 | 429 | 125 | 50 | | 100 | 1.80 | 1 | |
| | | | | FROM VANCE CO. LINE TO CONCORD | | | | | | | | | | | | | | | | | | | | | | | |
| 5CR.20351.1 | Franklin | 7 | SR 1243 (WALTER GRISSOM RD) | BAPTIST CHURCH | 8 | NO | NO | 2.9 | 20 | 450 | 35 | 5.80 | | | | 250 | | J | 2,825 | | 200 | 50 | | 150 | 2.80 | L | |
| | | | | FROM NC 96 TO SR 1139 (SID | | | | | | | ĺ | | | | į | | | | | | | | | | | 1 | |
| 5CR.20351.1 | Franklin | 8 | SR 1140 (JOHN MITCHELL) | MITCHELL) | 8 | NO | NO | 2.3 | 20 | 800 | 46 | 4.60 | _ | | | 150 | | ļ | 2,308 | | 161 | 100 | | 200 | 3.30 | | <u> </u> |
| | l l | | | FROM NC 39 TO SR 1653 (MUTT | ١. | | | | | | 4.5 | | | | | | | | | | | | | | · ' | I | |
| 5CR.20351.1 | Franklin | 9 | SR 1606 (BERN WILDER) | WINSTEAD) | 6 | NO | NO | 1.1 | 20 | 160 | 13 | 2.20 | | | ļ | | | ļ | 1,104 | | 74 | 50 | | 100 | 1.60 | | |
| 5CR.20351.1 | Eranklin | 10 | SR 1784 (HERBERT DRIVE) | FROM NC 39 TO SR 1801 (DELANO CT.) | 9 | NO | NO | 0.35 | 20 | | 1 | | 4,107 | | | | 691 | - | 391 | | 57 | | | | | 1 | |
| JCK.20331.1 | . rankiii | 10 | SK 1764 (HERBERT DRIVE) | FROM SR 1801 (DELANO CT.) TO SR | 1- | 1 | 100 | 1 0.33 | 1 20 | | <u> </u> | | 4,107 | | | 1 | 031 | 1 | 331 | | 1-3'- | | | | | r | |
| | | | α , | 1746 | 10 | NO | NO | 0.4 | 20 | | | | | | | | | 1 | 440 | | 29 | 100 | | | 1 | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 1 1 | | FROM SR 1243 (WALTER GRISSOM | | | | | | | | | | | | 1 | | | | | 1 | 1 | | | 1 | ł | |
| 5CR.20351.1 | Franklin | | SR 1003 (SIMS BRIDGE ROAD) | RD.) TO SR 1239 (ROCKY FORD RD) | 2 | NO | YES | 4.7 | 23 | 1,819 | 56 | 9.40 | | ļ | ļ | | | ļ | 5,313 | | 356 | | | | 6.80 | | |
| | | 1 | FOTAL FOR PROJ NO. 5CR.20351.11 | | <u> </u> | | L | 18.55 | L | 4,359 | 259 | 35.60 | 4,107 | 1 | <u> </u> | 1,100 | 691 | 1 | 19,507 | 2,137 | 1,529 | 550 | 600 | 950 | 22.90 | | |
| | Т | | | FROM US 158 TO SR 1507 | Т | 1 | T | T | T | 1 | 1 | T | T | Τ | T | 1 | | Т | Ι | T | T | T | I | ı | T | | Т |
| 5CR.20911.1 | Vance | 12 | SR 1001 (WARRENTON RD) | (BROOKSTON) | 1 | NO | NO | 1.8 | 26 | 300 | 43 | 3.60 | 1 | 29,000 | | | | 2,387 | | | 143 | 100 | | 100 | 2.62 | 1 | |
| 5CR.20911.1 | | | SR 1115 (LYNNBANK RD.) | FROM US 1 TO SR 1101 | 6 | | NO | 2.5 | 23 | 400 | 50 | 5.00 | | 1 | İ | | | 1 .,,,,,, | 2,882 | | 193 | 100 | | 200 | 2.40 | 225 | 50 |
| | T | | | FROM SR 1326 (KELLY RD.) TO SR | 1 | | | 1 | | 1 | | | | | | | | | | | 1 | | | | 1 | | |
| 5CR.20911.1 | Vance | 14 | SR 1303 (HICKSBORO RD) | 1308 (GLEBE ROAD) | 4 | NO | NO | 1.85 | 21 | 175 | 22 | 3.70 | | 22,792 | | 550 | | 1 | 1,892 | | 151 | 150 | | 100 | 1.80 | <u> </u> | |
| | | | | FROM US 1 BUS. TO SR 1547 (ABBOTT | | | | | | | | | | | | | | 1 | | | | 1 | | | | ĺ | |
| 5CR.20911.1 | Vance | 15 | SR 1546 (PETER GILL ROAD) | ROAD) | 11 | NO | NO | 1.3 | 22 | 640 | 16 | 2.60 | | | 350 | 200 | 2,414 | 1,417 | ļ | ļ | 210 | 1,100 | 150 | 100 | 1.90 | | |
| ECD 20011 1 | Vance | 16 | SD 1149 (EDSON POAD) | FROM SR 1143 (WILLIAMS ST) TO | 12 | NO | NO | 16 | 25 | 250 | 19 | 3.20 | 23,300 | 320 | 800 | 450 | 3,372 | 1,981 | | | 214 | 150 | | 100 | 1 | 1 | |
| 5CR.20911.1 | vance | 16 T | SR 1148 (EPSON ROAD) FOTAL FOR PROJ NO. 5CR.20911.11 | EAST SIDE OF US 1 BRIDGE | 12 | 1 100 | NO | 9.05 | 25 | 1,765 | 150 | 18.10 | | 52,112 | 1,150 | 1,200 | 5,786 | 5,785 | 4,774 | | 314 1,011 | 150 1,600 | 150 | 100 600 | 1.55 10.27 | 225 | 50 |
| | | | TOTAL OIL NO HOLDGEDIALIZ | | J | | J | 1 2.03 | 1 | 1,,,,,, | | | 1 20,000 | 1 72,222 | 1,200 | 1 1,200 | 3,,00 | 1 3,703 | 1 7//7 | 1 | 1 2,044 | 1 2,000 | 1 | 1 000 | 1 10.27 | | 1 30 |
| | | | GRAND TOTAL | T | T | T | | 34.05 | 1 | 7,490 | 430 | 57.20 | 27,407 | 52,112 | 1,150 | 7,100 | 18,991 | 5,785 | 26,298 | 2,137 | 3,487 | 2,450 | 1,950 | 1,950 | 35.15 | 225 | 50 |
| L | | ~~~~ | | | | | | | | 1 ., | | | | | | | | | | | 1 -7 | | | | | | |

| PROJECT NO. | SHEET NO. | TOTAL NO. |
|----------------------|-----------|-----------|
| 5C.035046, 5C.091030 | I IIL | |
| 5C.091034, ETC. | 174 | |

THERMOPLASTIC AND PAINT QUANTITIES

| | γ | | The state of the s | | | F | 4685000000-E | 46960 | ю0000-Е | 4695000000- | E 4705000000-E | 4710000000 | -E 47210 | 00000-E | | 4725000000-E | | | 00000-E | 4830000000-E | 4835000000-E | | 00000-N | | 4845000000-N | | | 00000-N |
|---------------|-----------|---|--|----------------------------------|--------------|--------------|--|--------------|--------------|--------------|----------------|--------------|--------------|-------------|--------------|--------------|--|--------------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--|--------------|
| | | | DOUTE | DESCRIPTION | LENGTH | WIDTH | | 4" X 120 M | | 8" X 90 M | 16" X 120 M | 24" X 120 N | M THERMO RXR | THERMO MSG | | THERMO STR | THERMO RT | 4" WHITE | | 16" WHITE | 24" WHITE | PAINT MSG | | | PAINT STR | PAINT RT | YELLOW & | |
| PROJECT | COUNT | Y MAP | ROUTE | DESCRIPTION | LENGIN | 3410111 | WHITE | YELLOW | WHITE | YELLOW | WHITE | WHITE | 120 M | SCHOOL 120 | | 0 ARROW 90 M | ARROW 90 | PAINT | PAINT | PAINT ` | PAINT | RXR | SCHOOL | ARROW | ARROW | ARROW | YELLOW | RED MARKI |
| | İ | | | | | | THERMO | THERMO | THERMO | THERMO | THERMO | THERMO | İ | м | M | | M | |] | | | | | | | | MARKERS | |
| | | | | | | l | 111211110 | | | | | 1 | | | ĺ | | | | | | | | | | | | | |
| | | | | | 1 | 1 | 1F | LF | LF | LF | LF | LF | EA | EA | EA | EA | EA | LF | LF | LF | LF | EA | EA | EA | EA | EA | EA | EA |
| NO | | NO | | | | | | | | 1 | | | | | | | | | | ŀ | 1 | | | | 1 | | 1 | 1 |
| | 1 | 1 1 | | CDOM CD 1242 (MAITER CRISCOM | 1 | 1 | | - | | | | | 1 | | l | } | | | 1 | ł | | | | | | | 1 | |
| | 1 | 1 1 | | FROM SR 1243 (WALTER GRISSOM | 4.7 | 23 | 1 | | | | | 1 | | | | | | 100,000 | 87,000 | l | | <u> </u> | | | | 1 | | |
| 5C.035046 | Franklir | n 1 | SR 1003 (SIMS BRIDGE ROAD) | RD.) TO SR 1239 (ROCKY FORD ROAD | 4.7 | 23 | | | | | | 1 | | | | | | 100,000 | 87,000 | l | | | | <u> </u> | | L | | L |
| | | | TOTAL FOR PROJ NO. 5C.035046 | | 4.7 | | | | | | | † | | | | | | 187 | 7,000 | | | | | L | | | <u> </u> | |
| | | | | | L | 1 | .1 | | | 1 | | <u> </u> | | | | | | | | | | | | | | <u> </u> | | |
| | | | | TO SEE ALOT (DOISON DO) TO SE | т | T | T | Τ | T | T | T | 1 | | | | | Ī | | | | | 1 | l | 1 | | 1 | - | 1 |
| | | | | FROM SR 1107 (BRIGGS RD.) TO SR | 1.25 | 23 | 13,450 | 8,250 | | 1 | | 1 | | | | - | | 13,450 | 8,250 | | l | | | | | | | |
| 5C.091030 | Vance | e 2 | SR 1101 (COUNTY HOME ROAD) | 1115 (N. LYNNBANK RD) | | 23 | 13,450 | 8,250 | | | | | | | | | | 13,450 | 8,250 | | | | | | | | l | i |
| | | | TOTAL FOR PROJ NO. 5C.091030 | | 1.25 | ├ | 13,450 | | 3,250 | | | 1 | | | | | * | 21 | ,700 | | | | | | | | | |
| | | | | | 1 | 1 | | ــــــ | ,,230 | | | | | | | | | | | | | | | | | | | |
| | | | | FROM CRITICAL TO FRANKLING | Т | Т | T | T | T | T | 1 | T | 1 | T | T | | | | | 1 | | | 1 | 1 | 1 | | | |
| | 1 | | | FROM SR 1549 TO FRANKLIN CO. | 0- | | 5,380 | 3,300 | 1 | | | 1 | 1 | 1 | | | | | <u> </u> | | <u> </u> | | | | | | | |
| 5C.091034 | Vance | e 3 | SR 1550 (ROCKY FORD) | LINE | 0.5 | 23 | | | - | | | | | 1 | T | 1 | 1 | | | 1 | | | | | | | | |
| | | | TOTAL FOR PROJ NO. 5C.091034 | | 0.5 | | 5,380 | 3,300 | 1 200 | | | + | | | | . 1 | *************************************** | 1 | * | 1 | | | | | | | | |
| | | | | | <u> </u> | | | | 3,300 | | _L | | | | .1 | | | | | | | | | | | | | |
| | | | | | | | т | | | T | | T | | T | T | T | | T | T | T | T | T | T | 1 | T | <u> </u> | T | T |
| | T | | | FROM NC 98 TO SR 1609 BAPTIST | 1 | 1 | | 10.000 | 1 | 1 | | | | | | 1 | 1 | 1 | 1 | | | 1 | 1 | | 1 | l | 198 | 1 |
| 5CR.20351.11 | L Frankli | lin 4 | SR 1611 (SLEDGE ROAD) | CHURCH ROAD | 3 | 21 | 32,280 | 19,800 | | | | | -+ | | | | | | | | | | | | | | 1 | |
| | 1 | | | FROM SR 1100 (TARBORO RD.) TO NO | 1 | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | 1 | l | | | 1 | l | | | I | 1 | 152 | i |
| 5CR.20351.11 | 1 Frankli | lin 5 | SR 1106 (MOORES POND ROAD) DELETE BRIDGE PROJECT AREA | 98 | 2.3 | 22 | 24,748 | 15,180 | | | | - | | | | | | | | | 1 | 1 | | 1 | | | <u> </u> | |
| | | \neg | | FROM NC 56 TO SR 1421 (HICKORY | | 1 | | | 1 | 1 | 1 | 1 | ı | | | | i | | | | 1 | 1 | | | l | l | 1 | 1 |
| 5CR.20351.11 | 1 Frankli | lin 6 | SR 1422 (STRANGE ROAD) | ROCK RD.) | 1.5 | 19 | 16,140 | 9,900 | | | | | | | | | + | | | | | | <u> </u> | | <u> </u> | | | |
| JOILLEGE | 11111111 | | | FROM VANCE CO. LINE TO CONCORT | 이 | 1 | | | 1 | 1 | | | | 1 | 1 | 1 | | | | 1 | 1 | I | l | İ | | | 191 | |
| 5CR.20351.11 | 1 Frankli | lin 7 | SR 1243 (WALTER GRISSOM RD) | BAPTIST CHURCH | 2.9 | 20 | 31,204 | 19,140 | | | | | | | | | | | | | 1 | | | | | | | |
| 3CK.20331.11 | T Hanki | ''' | | FROM NC 96 TO SR 1139 (SID | | | | | 1 | 1 | 1 | 1 | | 1 | | | | 1 | | | 1 | | | 1 | 1 | 1 | 152 | 1 |
| F CD 20251 11 | 1 | | SR 1140 (JOHN MITCHELL) | MITCHELL) | 2.3 | 20 | 24,748 | 15,180 | | | | | | | | | | ļ | | ļ | | | | | | | 152 | |
| 5CR.20351.11 | Franki | iin 8 | SK 1140 (JOINT WITTERLES) | FROM NC 39 TO SR 1653 (MUTT | 1 | | | | | | | ļ | | | | 1 | | | | | 1 | 1 | l | } | | 1 | 1 | |
| | | | SR 1606 (BERN WILDER) | WINSTEAD) | 1.1 | 20 | 11,836 | 7,260 | | | | | | | | | ļ | | <u> </u> | ļ | | ļ | ļ | | | | | |
| 5CR.20351.11 | 1 Franki | lin 9 | SK 1606 (BERIA WILDER) | FROM NC 39 TO SR 1801 (DELANO | | | <u> </u> | | | | | | | 1 | | | | 1 | | | | 1 | | | l | ŀ | | ı |
| | 1 | . | OR ATOM (USBBERT BRILIS) | CT.) | 0.35 | 20 | | 3,700 | | 1 | | | | | | | | <u> </u> | 3,700 | | | | <u> </u> | | ļ | | ļ | ļ |
| 5CR.20351.11 | 1 Frankl | lin 10 | SR 1784 (HERBERT DRIVE) | | | + 20 | | | 1 | | | | | | | | i | 1 | | | 1 | | 1 | | | | | |
| 1 | 1 | 1 1 | G | FROM SR 1801 (DELANO CT.) TO SR | 0.4 | 20 | 1 | 4,200 | 1 | 1 | 1 | l | l | | 1 | | | | | | | | | | | | <u> </u> | |
| | | _ " | | 1746 | 0.4 | +-20 | | 4,200 | | | | | | | | | | | | | | 1 | 1 | 1 | | I | l | |
| | | | | | 1 | | 1 | i | 1 | 1 | 1 | 1 | | | | | 1 | 1 | | | | 1 | | | | 1 | | |
| | | - 1 1 | | FROM SR 1243 (WALTER GRISSOM | 1 | 1 | 50.533 | 24 020 | | 1 | İ | | 1 | | | | | | 1 | | | | | | | | 1 | |
| 5CR.20351.13 | 1 Frankl | din 11 | SR 1003 (SIMS BRIDGE ROAD) | RD.) TO SR 1239 (ROCKY FORD RD) | | | | 31,020 | | + | | | | | T | <u> </u> | | 1 | 3,700 | | | | | | | | 693 | |
| | | | TOTAL FOR PROJ NO. 5CR.20351.11 | | 18.55 | | 191,528 | | | + | | + | | | 1 | | | 3 | ,700 | | | T | | | | | | 593 |
| | | | | | | | _1 | 1 1 | 25,380 | | | | | | | | | | <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u> | | | | | | | | | |
| | | | | | | | | | | | | | | 1 | T | | T | T T | T | T | T | 1 | | 1 | | | | |
| | | T | | FROM US 158 TO SR 1507 | 1 | 1 | 40.000 | 44.000 | 1 | | 100 | 220 | ۱ ۵ | 12 | 5 | | 1 | 19,368 | 11,880 | 100.00 | 220 | 4 | 12 | 5 | | | 119 | |
| 5CR.20911.1 | 1 Vano | ce 12 | SR 1001 (WARRENTON RD) | (BROOKSTON) | 1.8 | | | 11,880 | | | 100 | - 220 | | | + | | | 1 | 1 | 1 | 1 | 1 | | T | | | 165 | 1 |
| 5CR.20911.1 | | | SR 1115 (LYNNBANK RD.) | FROM US 1 TO SR 1101 | 2.5 | 23 | 26,900 | 16,500 | | + | | + | | + | + | | | | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 |
| | 1 | | | FROM SR 1326 (KELLY RD.) TO SR | 1 | 1 | | 1 | - 1 | | 1 | 1 | 1 | | 1 | 1 | | 19,906 | 22,589 | 1 | 1 | İ | | 1 | | | 1 | 1 |
| 5CR.20911.1 | 1 Vano | ce 14 | SR 1303 (HICKSBORO RD) | 1308 (GLEBE ROAD) | 1.85 | 21 | 19,906 | 12,210 | | | | | | | 1 | | | 1 25,550 | 1, | + | 1 | | † | 1 | T | 1 | 1 | 1 |
| | 1 | | | FROM US 1 BUS. TO SR 1547 | | 1 | | 1 | | | | | 1 . | | 1 | 1 | 1 | 13,998 | 9,580 | 50 | 25 | , | 1 | - | | 1 | | |
| ECR 20011 1 | 1 Vano | ce 15 | SR 1546 (PETER GILL ROAD) | (ABBOTT ROAD) | 1.3 | 22 | 13,988 | 8,580 | | | 50 | 25 | 2 | | | | _ | 13,998 | 9,560 | 1 30 | 1 23 | + | - | | | | | |
| 5CR.20911.1 | vano | CE 13 | ON LOTO (I LIEN OILL NOVO) | FROM SR 1143 (WILLIAMS ST) TO | | 1 | | | 1 | | 1 | 1 | | 1 | 1 | | 1 . | 477.74 | | | 100 | | 1 | | , | | 106 | 20 |
| | | _ 10 | SR 1148 (EPSON ROAD) | EAST SIDE OF US 1 BRIDGE | 1.6 | 25 | 17,216 | 10,560 | 100 | 100 | | 50 | | | 4 | 3 | 4 | 17,716 | 21,120 | | 100 | | 1 | + 4 | 1 3 | + 4 | | |
| 5CR.20911.1 | TTI Nauc | ce 16 | | | 9.05 | | 97,378 | 59,730 | 100 | 100 | 150 | 295 | 6 | 12 | 9 | 3 | 4 | 70,988 | 65,169 | 150 | 345 | 6 | 12 | 9 | 3 | 4 | 390 | 20 |
| | | | TOTAL FOR PROJ NO. 5CR.20911.11 | | 1 | | 1 | | 59,830 | | | | | 18 | | 16 | ., | 13 | 36,157 | | | | 18 | <u></u> | 16 | | 1 | 110 |
| | | | | | | | | | | | | | | | | | | | | | | | | | · | · | | · |
| | | | | T | 34.05 | | 307,736 | 196,660 | 100 | 100 | 150 | 295 | 6 | 12 | 9 | 3 | 4 | | 164,119 | 150 | 345 | 6 | 12 | 9 | 3 | 4 | 1,083 | |
| | | | GRAND TOTAL | | 34.03 | ' | 307,730 | | 196,760 | T | | 1 | | 18 | | 16 | | 34 | 18,557 | | 1 | | 18 | 1 | 16 | | 1 | ,103 |
| I . | | | | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | |

PROJ. REFERENCE NO. SHEET NO 5C.035046 5CR.20351.11 50.091030 SEE LEFT 5CR.20911.11 TCP-1 50.091034 TWO-WAY UNDIVIDED ** (L-LINES) HIGHWAY WORK ZONE TRANSPORTATION CAROLINA HIGHWAYS RECOMMENDED MINIMUM WORK SIGN SPACING AHEAD ROAD WORK G20-2a 48"x24' POSTED SPEED LIMIT \otimes Z (M.P.H.) 500' ΟF GH ≥ 55 1000' RALEI(DIVISION 9F CONSTRUCTION LIMITS STATE DEPT. WORK ROAD WORK G20-2a 48"X24" W20-1 ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES) -Y- LINES MAIN ROADWAY WORK ZONE DRAWING FOR Y UNDIVIDED WARNING SIGNS CONSTRUCTION G20-2a LIMITS CONSTRUCTION WORK TWO-WAY DETAIL **GENERAL NOTES** - USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS. - DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK. WORK - SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION IS USED, SIGNS MAY BE PORTABLE MOUNTED. LEGEND 21-0CT-2011 10;54 \\D01\DFSR00101\GR0UPS-WZTCCC\TMU\WZTC - ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED. - STATIONARY SIGN - USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110. DIRECTION OF TRAFFIC FLOW SHEET 1 OF 1

APPROVED:_

SEAL

DETAIL DRAWING FOR TWO-WAY

UNDIVIDED AND URBAN FREEWAYS ADVANCED WORK ZONE WARNING SIGNS

> 7-98 10/01 10-98 03/04 01/01 11/04

- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.

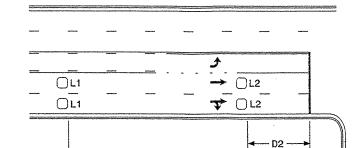
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED

- DO NOT BACK BRACE SIGN SUPPORTS.

SIGNS AS DETERMINED BY THE ENGINEER.



Low Speed Detection [\$35 mph (56 km/hr)]



| Spe | ed Limit | | D | 7 |
|-----|----------|-----|-------|---|
| mph | (km/hr) | ft | (m) | |
| 40 | (64) | 250 | (75) | 1 |
| 45 | (72) | 300 | (90) | |
| 50 | (80) | 355 | (110) | 7 |
| 55 | (88) | 420 | (130) | 7 |

OL

L = 6ft X 6ft (1.8m X 1.8m)
Wired in series for TS1
Controllers
Wired separately for TS2,
170, and 2070L Controllers

Speed Limit D2 mph (km/hr) ft (m) ft (m) 40 250 (75) 80 (64) (25) 45 (72) 300 (90) 90 (27) 50 (80) 355 (110) 100 (30)

L2 = 6ft X 6ft (1.8m X 1.8m) Wired in series

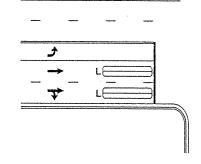
 $L1 = 6ft \times 6ft$

(1.8m X 1.8m)

Wired in series

→ □ L → □ L → □ C

L = 6ft X 6ft (1.8m X 1.8m)
Wired in series



L = 6ft X 40ft (1.8m X 12.0m)

Quadrupole loop, wired separately

Volume Density Operation

"Stretch" Operation

420 (130)

55 (88)

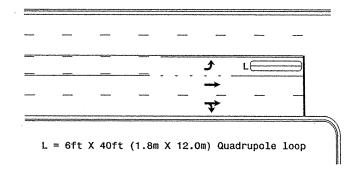
Left Turn Lane Detection

OR

High Speed Detection

[>40 mph (64 km/hr)]

OR

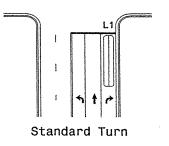


L1 = 6ft X 15ft (1.8m X 4.6m) Queue detector

110 (35)

L2 = 6ft X 40ft (1.8m X 12.0m) Quadrupole loop

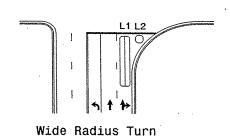
Queue Loop Detection

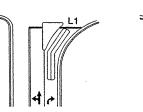


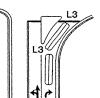
Right Turn Lane Detection

L1 = 6ft X 40ft (1.8m X 12.0m) Quadrupole loop L2 = 6ft X 6ft (1.8m X 1.8m) [Minimum] Presence loop Wired separately

L3 = 6ft X 20ft (1.8m X 6.0m) Quadrupole loop Wired in series

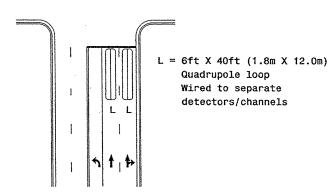






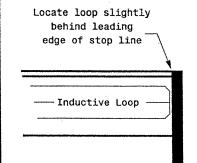
Channelized Turn

Side Street Detection



Presence Loop Detection

Presence Loop Placement at Stop Lines



Note: Loop may be located in advance of stop line when stop line is greater than 15' (4.5m) from edge of intersecting roadway; or, when loop detects a permissive or protected/permissive left turn.

Single 6' X 6' (1.8m X 1.8m) loop (wired separately):

| Length of Lead-in ft (m) | Number of Turns |
|--------------------------------|--------------------|
| < 250 (75) | 3 |
| 250-375 (75-115) | 4 |
| 375-525 (115-160) | 5 |
| > 525 (160) | 6 |

Recommended Number of Turns

Quadrupole loops: Use 2-4-2 turns

6' X 15' (1.8m X 4.6m) Loops: Lead-in < 150' (45 m), use 2 turns

Lead-in > 150' (45 m), use 3 turns



N/A

Typical Loop Locations

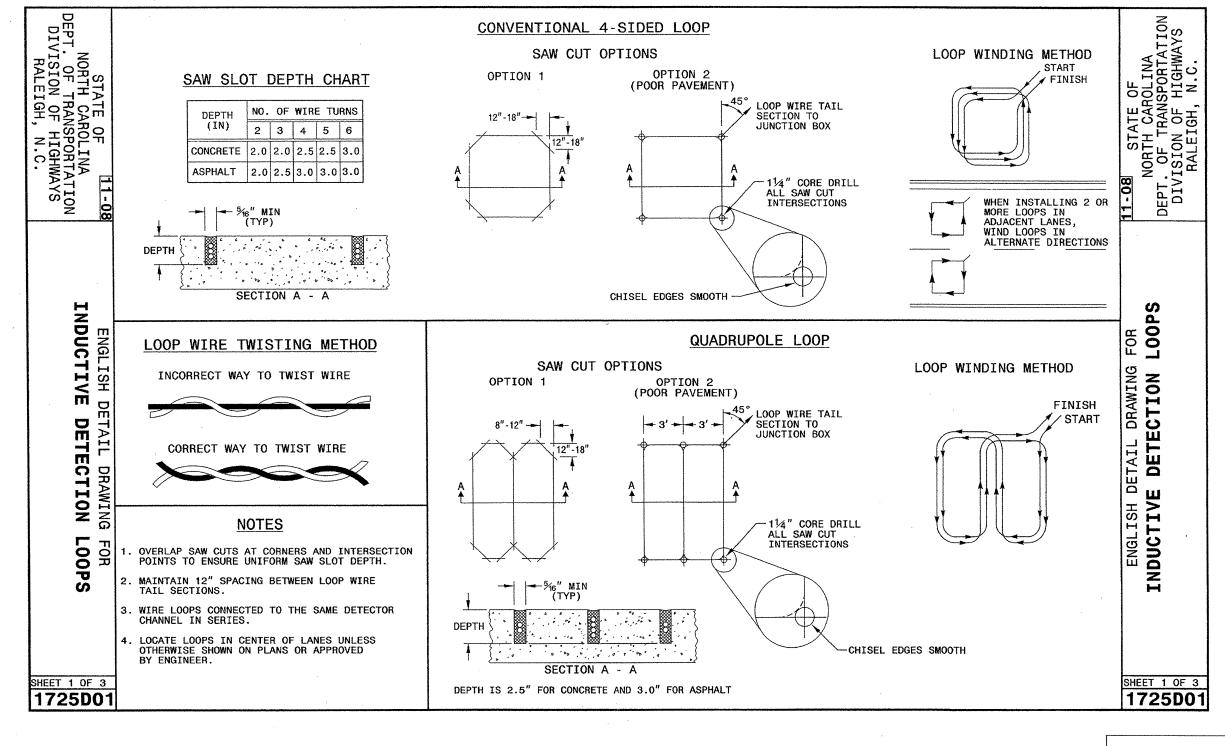


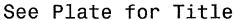
PLAN DATE: JUNE 2006 REVIEWED 81:

PREPARED 81: P. L. Alexander REVIEWED 81:

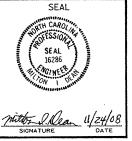
REVISIONS INIT. DATE

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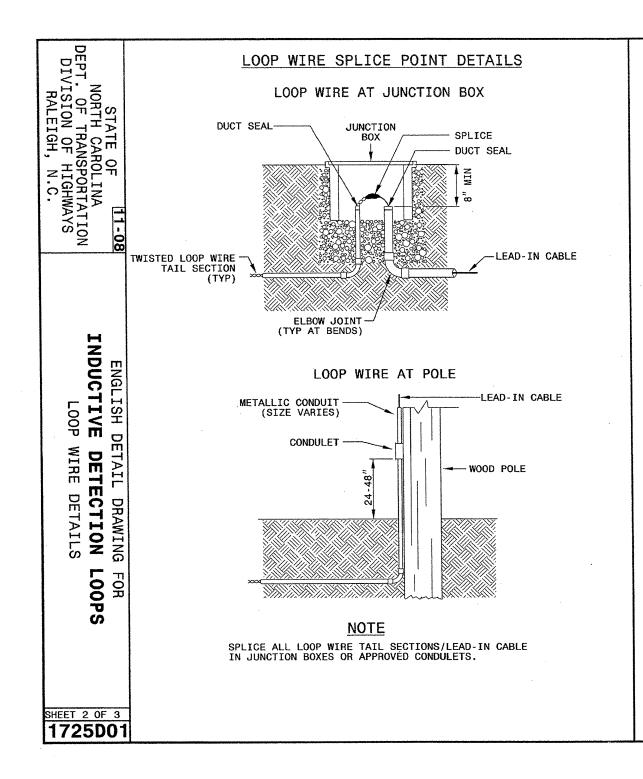






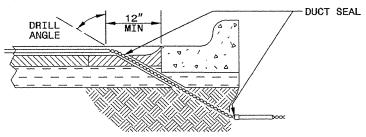


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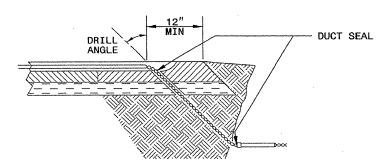


LOOP WIRE PAVEMENT EDGE DETAILS

LOOP WIRE AT CURB & GUTTER SECTION



LOOP WIRE AT PAVEMENT SECTION



NOTES

- 1. DO NOT EXCAVATE UNDER CURB AND GUTTER SECTIONS FOR CONDUIT INSTALLATION.
- 2. TWIST LOOP WIRE TAIL SECTIONS FROM WHERE LOOP WIRE TAIL LEAVES SAW CUT TO JUNCTION BOX, INCLUDING THROUGH CONDUIT.
- 3. BEFORE SEALING LOOPS, INSTALL DUCT SEAL WHERE LOOP WIRE TAIL SECTION LEAVES SAW CUT IN PAVEMENT AND AT ENTRANCE OF CONDUIT TO JUNCTION BOX.

11.08 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

FOR LOOPS DETECTION WIRE DETAILS DRAWING DETAIL INDUCTIVE LOOP

SHEET 2 OF 3 1725D01

See Plate for Title



Garner, NC 27529



